

618156-1 Festo Response to USSN 09/673,411 Response mailed Oct 26, 2005

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PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS

5 The invention described herein refers to pharmaceutical compositions, to the use of compounds as agents with activity for the enhancement of absorption of active ingredients and to specific compounds, ~~all according to the general sections of claims 1, 2, 5, 6 and 10 hereinafter.~~

The problems related to percutaneous absorption of active ingredients in
10 topical and transdermal pharmaceutical presentations (drug delivery systems) is known and has been the subject matter of patents [1] Percutaneous absorption: mechanisms-methodology-drug delivery, 2 Ed., Bronaugh Maibach, MARCEL DEKKER INC.

Among the most significant examples reported in scientific literature it is
15 possible to mention the enhancing activity of dodecylmethylsulfoxide in increasing percutaneous absorption of idoxuridine [2] Touitou, E. (1988), Int. J. Pharm. 43:1. The effect of dodecylazacycloheptan-2-one (Laurocapram, Azone) in enhancing absorption of various molecules was investigated by Stoughton [3] Stoughton, R. B. (1982), Arch. Dermatol.
20 118: 474 and by Sugibayashi [4] Sugibayashi, K., Hosoya, K. Morimoto, Y., and Higuchi, W. I. (1985), J. Pharm. Pharmacol. 37: 578.

Substances made available on the market and initially used in fields other than the pharmaceutical sector, subsequently proved to be of remarkable